

## GILA RIVER BASIN

09473200 GREEN LANTERN WASH NEAR WINKELMAN, AZ

LOCATION.--Lat 32°55'30", long 110°43'35", NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.8, T.6 S., R.16 E., Pinal County, Hydrologic Unit 15050203, at State Highway 77, 5 mi southeast of Winkelman.

DRAINAGE AREA.--3.63 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1964	08-00-64	1,060		1971	09-30-71	600	
1965	07-23-65	200	ES	1972	08-12-72	170	
1966	09-13-66	900		1973	10-00-72	440	
1967	07-17-67	2,650		1974	07-00-74	100	
1968	08-03-68	1,960		1975	09-00-75	1,200	
1969	08-29-69	15	ES	1976	09-25-76	200	ES
1970	08-16-70	250	ES	1981	05-01-81	<sup>1</sup> 3,700	HP

<sup>1</sup>Highest since 1964.

Magnitude and probability of instantaneous peak flow based on period of record 1964-76, 1981

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
509	1,380	2,290	3,920	5,520	7,490
Weighted skew	(logs) =	-0.09			
Mean	(logs) =	2.70			
Standard dev.	(logs) =	0.52			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
189	4.8	2,590	0.0	1.0	14.0	1.9	4.1

